

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES MIXED DATA ATTRIBUTES**

the specification of which:

\_\_\_\_\_ is attached hereto.  
☒ was filed on November 15, 2000 as United States Patent Application Number 09/700,606 and was amended on \_\_\_\_\_ (if applicable).  
☒ was filed on March 29, 1999 as PCT International Application Number PCT/US99/06717.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. Under that section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the United States Patent and Trademark Office, or (ii) asserting an argument of patentability.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application(s) which designated at least one country other than the United States, listed below. I have also identified below any corresponding foreign application(s) for patent or inventor's certificate or any corresponding PCT international application(s) having a filing date before that of the application(s) on which priority is claimed.

Prior Foreign Application(s)

Number	Country	Filing Date (mm/dd/yyyy)	Priority Claimed (Yes or No)
PCT/US99/06717	PCT	29 March 1999	Yes

U.S. Patent and Trademark Office, Washington, D.C. 20231  
 U.S. Postal Service, Post Office Box 1000, Washington, D.C. 20231  
 U.S. Patent and Trademark Office, Washington, D.C. 20231

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

United States Provisional Application(s)

Application Number	Filing Date (mm/dd/yyyy)
60/086,410	May 22, 1998

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT international application(s) designating the United States, listed below. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code [k1], § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

United States Application(s) Upon Which Priority is Claimed

Application Number	Filing Date (mm/dd/yyyy)	Status (abandoned, pending, patent number)
09/083,906	May 22, 1998	Pending

I hereby appoint the following attorney(s) and/or agent(s), all of whom are associated with Watts, Hoffmann, Fisher & Heinke Co., L.P.A., having offices at 1100 Superior Avenue East, Suite 1750, Cleveland, Ohio 44114-2518, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Thomas E. Fisher, Reg. No. 18,271  
Stephen J. Schultz, Reg. No. 29,108  
Lowell L. Heinke, Reg. No. 19,471  
John R. Hlavka, Reg. No. 29,076  
George L. Pinchak, Jr., Reg. No. 37,697

Linn J. Raney, Reg. No. 23,078  
Paul A. Serbinowski, Reg. No. 34,429  
Richard A. Sharpe, Reg. No. 34,722  
James G. Watterson, Reg. No. 20,180  
Peter R. Hagerty, Reg. No. 42,618  
Kenneth J. Smith, Reg. No. 45,115

and the following attorney(s), all of whom are associated with Microsoft Corporation having an address of One Microsoft Way, Redmond, Washington 98052-6399;

Daniel D. Crouse, Reg. No. 32,022      Katie E. Sako, Reg. No. 32,628

to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and I hereby designate the foregoing Stephen J. Schultz, Reg. No. 29,108, principal attorney.

This appointment shall include all power to prosecute and transact all business relating to all applications corresponding to this application in all countries, including all regional and international patent offices, such as, but not limited to, the European Patent Office and all offices and bureaus established in accordance with the Patent Cooperation Treaty.

I hereby further designate and appoint any officer of Watts, Hoffmann, Fisher & Heinke Co., L.P.A. my attorney in fact with full power of substitution and revocation, including power to designate a substitute principal attorney.

Address all correspondence to:

WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.  
1100 Superior Ave., Ste. 1750  
Cleveland, Ohio 44114-2518

Direct all telephone calls to Stephen J. Schultz at (216) 241-6700 and direct all facsimile correspondence to (216) 241-8151.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

Full Name of Sole or First Joint Inventor: <u>Usama Fayyad</u>	
Inventor's Signature: <u>[Signature]</u>	Date: <u>1/19/2001</u>
Residence: <u>Mercer Island</u> , Washington <u>WA</u>	Citizenship: <u>United States of America</u>
Post Office Address: <u>9705 SE 43<sup>rd</sup> Street, Mercer Island, WA 98040</u>	

Full Name of Second Joint Inventor: <u>Paul S. Bradley</u>	
Inventor's Signature: <u>[Signature]</u>	Date: <u>1/19/2001</u>
Residence: <u>Seattle</u> , Washington <u>WA</u>	Citizenship: <u>United States of America</u>
Post Office Address: <u>600 Lake Washington Blvd., East, Apt #C, Seattle, WA 98112</u>	

Full Name of Third Joint Inventor: <u>Cory A. Reina</u>	
Inventor's Signature: <u>[Signature]</u>	Date: <u>1/19/2001</u>
Residence: <u>Kirkland</u> , Washington <u>WA</u>	Citizenship: <u>United States of America</u>
Post Office Address: <u>12107 86<sup>th</sup> Avenue, NE, Kirkland, WA 98034</u>	

BEST AVAILABLE COPY